ENTERED
see page 6

PCT09

RAW SEQUENCE LISTING   DATE: 06/10/2002
PATENT APPLICATION: US/09/700,179A   TIME: 14:58:15

Input Set : A:\65064133.txt
Output Set: N:\CRF3\06102002\I700179A.raw

```
 3 <110> APPLICANT: MASCI, PANTALEONE PAUL
 4        LAVIN, MARTIN FRANCIS
 5        GAFFNEY, PATRICK JOSEPH
 6.       SOROKINA, NATALYA IGOREVNA
 7        FILIPPOVICH, IGOR VLADIMIROVICH
 9 <120> TITLE OF INVENTION: PLASMIN INHIBITORS FROM THE AUSTRALIAN BROWN SNAKE
10        PSEUDONAJA TEXTILIS TEXTILIS
12 <130> FILE REFERENCE: 065064/0133
14 <140> CURRENT APPLICATION NUMBER: 09/700,179A
15 <141> CURRENT FILING DATE: 2001-11-14
17 <150> PRIOR APPLICATION NUMBER: PCT/AU99/00343
18 <151> PRIOR FILING DATE: 1999-05-07
20 <150> PRIOR APPLICATION NUMBER: AU PP3450
21 <151> PRIOR FILING DATE: 1999-05-11
23 <160> NUMBER OF SEQ ID NOS: 66
25 <170> SOFTWARE: PatentIn Ver. 2.1
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28 <211> LENGTH: 180
29 <212> TYPE: DNA
30 <213> ORGANISM: Pseudonaja textilis
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34 <222> LOCATION: (1)..(180)
36 <220> FEATURE:
37 <221> NAME/KEY: mat_peptide
38 <222> LOCATION: (1)..(180)
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42 Lys Asp Arg Pro Asp Phe Cys Glu Leu Pro Ala Asp Thr Gly Pro Cys
43  1               5                  10                  15
45 aga gtc aga ttc cca tcc ttc tac tac aac cca gat gaa aaa aag tgc   96
46 Arg Val Arg Phe Pro Ser Phe Tyr Tyr Asn Pro Asp Glu Lys Lys Cys
47              20                  25                  30
49 cta gag ttt att tat ggt gga tgc gaa ggg aat gct aac aat ttt atc  144
50 Leu Glu Phe Ile Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Ile
51              35                  40                  45
53 acc aaa gag gaa tgc gaa agc acc tgt gct gcc tga                   180
54 Thr Lys Glu Glu Cys Glu Ser Thr Cys Ala Ala
55          50                  55
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59 <211> LENGTH: 59
60 <212> TYPE: PRT
61 <213> ORGANISM: Pseudonaja textilis
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RAW SEQUENCE LISTING   DATE: 06/10/2002
PATENT APPLICATION: US/09/700,179A   TIME: 14:58:15

Input Set : A:\65064133.txt
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63 <400> SEQUENCE: 2
64 Lys Asp Arg Pro Asp Phe Cys Glu Leu Pro Ala Asp Thr Gly Pro Cys
65  1               5                  10                  15
67 Arg Val Arg Phe Pro Ser Phe Tyr Tyr Asn Pro Asp Glu Lys Lys Cys
68              20                  25                  30
70 Leu Glu Phe Ile Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Ile
71          35                  40                  45
73 Thr Lys Glu Glu Cys Glu Ser Thr Cys Ala Ala
74      50                  55
77 <210> SEQ ID NO: 3
78 <211> LENGTH: 180
79 <212> TYPE: DNA
80 <213> ORGANISM: Pseudonaja textilis
82 <220> FEATURE:
83 <221> NAME/KEY: CDS
84 <222> LOCATION: (1)..(180)
86 <220> FEATURE:
87 <221> NAME/KEY: mat_peptide
88 <222> LOCATION: (1)..(180)
90 <400> SEQUENCE: 3
91 aag gac cgt cca gag ttg tgt gaa ctg cct cct gac acc gga cca tgt    48
92 Lys Asp Arg Pro Glu Leu Cys Glu Leu Pro Pro Asp Thr Gly Pro Cys
93  1               5                  10                  15
95 aga gtc aga ttc cca tcc ttc tac tac aac cca gat gaa caa aaa tgc    96
96 Arg Val Arg Phe Pro Ser Phe Tyr Tyr Asn Pro Asp Glu Gln Lys Cys
97              20                  25                  30
99 cta gag ttt att tat ggt gga tgc gaa ggg aat gct aac aat ttt atc   144
100 Leu Glu Phe Ile Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Ile
101          35                  40                  45
103 acc aaa gag gaa tgc gaa agc acc tgt gct gcc tga                  180
104 Thr Lys Glu Glu Cys Glu Ser Thr Cys Ala Ala
105      50                  55
108 <210> SEQ ID NO: 4
109 <211> LENGTH: 59
110 <212> TYPE: PRT
111 <213> ORGANISM: Pseudonaja textilis
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114 Lys Asp Arg Pro Glu Leu Cys Glu Leu Pro Pro Asp Thr Gly Pro Cys
115  1               5                  10                  15
117 Arg Val Arg Phe Pro Ser Phe Tyr Tyr Asn Pro Asp Glu Gln Lys Cys
118              20                  25                  30
120 Leu Glu Phe Ile Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Ile
121          35                  40                  45
123 Thr Lys Glu Glu Cys Glu Ser Thr Cys Ala Ala
124      50                  55
127 <210> SEQ ID NO: 5
128 <211> LENGTH: 180
129 <212> TYPE: DNA
130 <213> ORGANISM: Pseudonaja textilis
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RAW SEQUENCE LISTING   DATE: 06/10/2002
PATENT APPLICATION: US/09/700,179A TIME: 14:58:15

Input Set : A:\65064133.txt
Output Set: N:\CRF3\06102002\I700179A.raw

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133 <221> NAME/KEY: CDS
134 <222> LOCATION: (1)..(180)
136 <220> FEATURE:
137 <221> NAME/KEY: mat_peptide
138 <222> LOCATION: (1)..(180)
140 <400> SEQUENCE: 5
141 aag gac cgt cca aat ttc tgt aaa ctg cct gct gaa acc gga cga tgt    48
142 Lys Asp Arg Pro Asn Phe Cys Lys Leu Pro Ala Glu Thr Gly Arg Cys
143  1               5                  10                  15
145 aat gcc aaa atc cca cgc ttc tac tac aac cca cgt caa cat caa tgc    96
146 Asn Ala Lys Ile Pro Arg Phe Tyr Tyr Asn Pro Arg Gln His Gln Cys
147             20                  25                  30
149 ata gag ttt ctc tat ggt gga tgc gga ggg aat gct aac aat ttt aag   144
150 Ile Glu Phe Leu Tyr Gly Gly Cys Gly Gly Asn Ala Asn Asn Phe Lys
151             35                  40                  45
153 acc att aag gaa tgc gaa agc acc tgt gct gca tga                    180
154 Thr Ile Lys Glu Cys Glu Ser Thr Cys Ala Ala
155          50                  55
158 <210> SEQ ID NO: 6
159 <211> LENGTH: 59
160 <212> TYPE: PRT
161 <213> ORGANISM: Pseudonaja textilis
163 <400> SEQUENCE: 6
164 Lys Asp Arg Pro Asn Phe Cys Lys Leu Pro Ala Glu Thr Gly Arg Cys
165  1               5                  10                  15
167 Asn Ala Lys Ile Pro Arg Phe Tyr Tyr Asn Pro Arg Gln His Gln Cys
168             20                  25                  30
170 Ile Glu Phe Leu Tyr Gly Gly Cys Gly Gly Asn Ala Asn Asn Phe Lys
171             35                  40                  45
173 Thr Ile Lys Glu Cys Glu Ser Thr Cys Ala Ala
174          50                  55
177 <210> SEQ ID NO: 7
178 <211> LENGTH: 180
179 <212> TYPE: DNA
180 <213> ORGANISM: Pseudonaja textilis
182 <220> FEATURE:
183 <221> NAME/KEY: CDS
184 <222> LOCATION: (1)..(180)
186 <220> FEATURE:
187 <221> NAME/KEY: mat_peptide
188 <222> LOCATION: (1)..(180)
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192 Lys Asp His Pro Lys Phe Cys Glu Leu Pro Ala Glu Thr Gly Ser Cys
193  1               5                  10                  15
195 aaa ggc aac gtc cca cgc ttc tac tac aac gca gat cat cat caa tgc    96
196 Lys Gly Asn Val Pro Arg Phe Tyr Tyr Asn Ala Asp His His Gln Cys
197             20                  25                  30
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RAW SEQUENCE LISTING                   DATE: 06/10/2002
PATENT APPLICATION:  US/09/700,179A    TIME: 14:58:15

Input Set : A:\65064133.txt
Output Set: N:\CRF3\06102002\I700179A.raw
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199 cta aaa ttt att tat ggt gga tgt gga ggg aat gct aac aat ttt aag   144
200 Leu Lys Phe Ile Tyr Gly Gly Cys Gly Gly Asn Ala Asn Asn Phe Lys
201         35                40                45
203 acc ata gag gaa ggc aaa agc acc tgt gct gcc tga                    180
204 Thr Ile Glu Glu Gly Lys Ser Thr Cys Ala Ala
205         50                55
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209 <211> LENGTH: 59
210 <212> TYPE: PRT
211 <213> ORGANISM: Pseudonaja textilis
213 <400> SEQUENCE: 8
214 Lys Asp His Pro Lys Phe Cys Glu Leu Pro Ala Glu Thr Gly Ser Cys
215   1           5                10                15
217 Lys Gly Asn Val Pro Arg Phe Tyr Tyr Asn Ala Asp His His Gln Cys
218             20                25                30
220 Leu Lys Phe Ile Tyr Gly Gly Cys Gly Gly Asn Ala Asn Asn Phe Lys
221         35                40                45
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224         50                55
227 <210> SEQ ID NO: 9
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234 <222> LOCATION: (1)..(180)
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238 <222> LOCATION: (1)..(180)
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241 aag gac cgt cca aaa ttc tgt gaa ctg ctt cct gac acc gga tca tgt   48
242 Lys Asp Arg Pro Lys Phe Cys Glu Leu Leu Pro Asp Thr Gly Ser Cys
243   1           5                10                15
245 gaa gac ttt acc gga gcc ttc cac tac agc aca cgt gat cgt gaa tgc   96
246 Glu Asp Phe Thr Gly Ala Phe His Tyr Ser Thr Arg Asp Arg Glu Cys
247             20                25                30
249 ata gag ttt att tat ggt gga tgc gga ggg aat gct aac aat ttt atc   144
250 Ile Glu Phe Ile Tyr Gly Gly Cys Gly Gly Asn Ala Asn Asn Phe Ile
251         35                40                45
253 acc aaa gag gaa tgc gaa agc acc tgt gct gcc tga                    180
254 Thr Lys Glu Glu Cys Glu Ser Thr Cys Ala Ala
255         50                55
258 <210> SEQ ID NO: 10
259 <211> LENGTH: 59
260 <212> TYPE: PRT
261 <213> ORGANISM: Pseudonaja textilis
263 <400> SEQUENCE: 10
264 Lys Asp Arg Pro Lys Phe Cys Glu Leu Leu Pro Asp Thr Gly Ser Cys
265   1           5                10                15
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RAW SEQUENCE LISTING   DATE: 06/10/2002
PATENT APPLICATION: US/09/700,179A   TIME: 14:58:15

Input Set : A:\65064133.txt
Output Set: N:\CRF3\06102002\I700179A.raw

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267 Glu Asp Phe Thr Gly Ala Phe His Tyr Ser Thr Arg Asp Arg Glu Cys
268            20                  25                  30
270 Ile Glu Phe Ile Tyr Gly Gly Cys Gly Gly Asn Ala Asn Asn Phe Ile
271            35                  40                  45
273 Thr Lys Glu Glu Cys Glu Ser Thr Cys Ala Ala
274        50                  55
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278 <211> LENGTH: 180
279 <212> TYPE: DNA
280 <213> ORGANISM: Pseudonaja textilis
282 <220> FEATURE:
283 <221> NAME/KEY: CDS
284 <222> LOCATION: (1)..(180)
286 <220> FEATURE:
287 <221> NAME/KEY: mat_peptide
288 <222> LOCATION: (1)..(180)
290 <400> SEQUENCE: 11
291 aag gac cgt cca aag ttc tgt gaa ctg cct gct gac atc gga cca tgg    48
292 Lys Asp Arg Pro Lys Phe Cys Glu Leu Pro Ala Asp Ile Gly Pro Trp
293  1            5                  10                  15
295 gat gac ttt acc gga gcc ttc cac tac agc cca cgt gaa cat gaa tgc    96
296 Asp Asp Phe Thr Gly Ala Phe His Tyr Ser Pro Arg Glu His Glu Cys
297            20                  25                  30
299 ata gag ttt att tat ggt gga tgc aaa ggg aat gct aac aac ttt aat   144
300 Ile Glu Phe Ile Tyr Gly Gly Cys Lys Gly Asn Ala Asn Asn Phe Asn
301            35                  40                  45
303 acc caa gag caa tgc gaa agc acc tgt gct gcc tga                   180
304 Thr Gln Glu Gln Cys Glu Ser Thr Cys Ala Ala
305        50                  55
308 <210> SEQ ID NO: 12
309 <211> LENGTH: 59
310 <212> TYPE: PRT
311 <213> ORGANISM: Pseudonaja textilis
313 <400> SEQUENCE: 12
314 Lys Asp Arg Pro Lys Phe Cys Glu Leu Pro Ala Asp Ile Gly Pro Trp
315  1            5                  10                  15
317 Asp Asp Phe Thr Gly Ala Phe His Tyr Ser Pro Arg Glu His Glu Cys
318            20                  25                  30
320 Ile Glu Phe Ile Tyr Gly Gly Cys Lys Gly Asn Ala Asn Asn Phe Asn
321            35                  40                  45
323 Thr Gln Glu Gln Cys Glu Ser Thr Cys Ala Ala
324        50                  55
327 <210> SEQ ID NO: 13
328 <211> LENGTH: 72
329 <212> TYPE: DNA
330 <213> ORGANISM: Pseudonaja textilis
332 <220> FEATURE:
333 <221> NAME/KEY: sig_peptide
334 <222> LOCATION: (1)..(72)
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/10/2002
PATENT APPLICATION: **US/09/700,179A**   TIME: 14:58:16

Input Set : **A:\65064133.txt**
Output Set: **N:\CRF3\06102002\I700179A.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:27; N Pos. 21
Seq#:45; Xaa Pos. 3,5,6,8,10,11,12,13,15,17,18,19,20,21,22,24,26,27,28,29
Seq#:45; Xaa Pos. 30,31,33,34,36,41,42,48,50
Seq#:50; N Pos. 177
Seq#:52; N Pos. 177

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 1

VERIFICATION SUMMARY   DATE: 06/10/2002
PATENT APPLICATION: US/09/700,179A   TIME: 14:58:16

Input Set : A:\65064133.txt
Output Set: N:\CRF3\06102002\I700179A.raw

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:788 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:1218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:1221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:16
L:1224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:32
L:1227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:48
L:1341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:144
L:1393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:144